

# Improving Interactivity and Interoperability in the Regional Climate Model Evaluation System (RCMES)

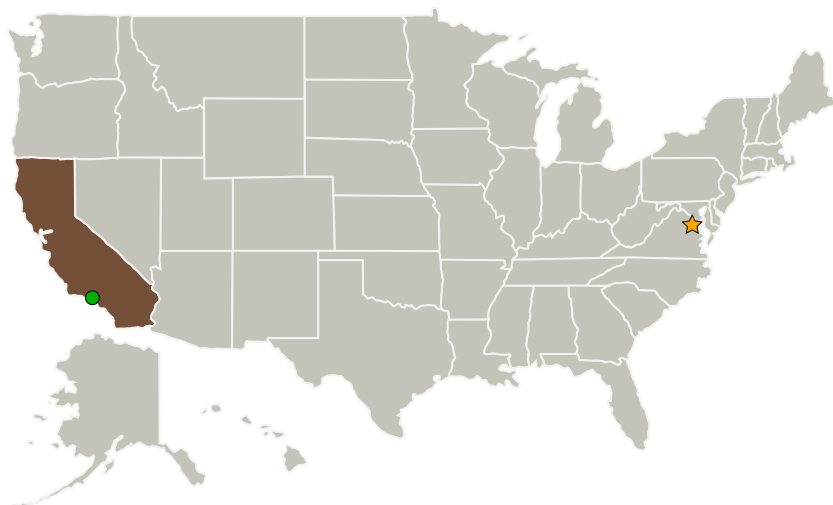
Completed Technology Project (2014 - 2014)



## Project Introduction

Enable comparison metrics and evaluation for IPCC assessments, the National Climate Assessment (NCA), and Coordinated Regional Climate Downscaling Experiment (CORDEX) activities. Introduce BDAS big-data capability to improve system interactivity Introduce SciSpark for a ten-fold improvement in data ingestion speed for model/data intercomparison Update the RCMES website user interface

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
● Jet Propulsion Laboratory(JPL)	Supporting Organization	NASA Center	Pasadena, California

### Primary U.S. Work Locations

California



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## Organizational Responsibility

### Responsible Mission Directorate:

Science Mission Directorate (SMD)

### Lead Center / Facility:

NASA Headquarters (HQ)

### Responsible Program:

Earth Science

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## Project Management

### Program Director:

George J Komar

### Principal Investigator:

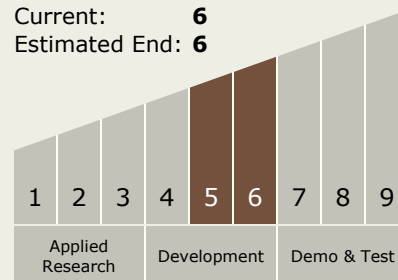
Christian A Mattmann

## Technology Maturity (TRL)

Start: 5

Current: 6

Estimated End: 6



## Technology Areas

### Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - └ TX11.4 Information Processing
    - └ TX11.4.2 Intelligent Data Understanding

## Target Destination

Earth